



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

			ATTORNEY DOCKET NO.	CONFIRMATION NO.	
	FILING DATE	FIRST NAMED INVENTOR	10012577-1	2138	
	08/07/2001	Thane M. Larson			
	03/27/2003	v	EXAMINER		
Intellectual Pro	PACKARD COMPAN operty Administration	I	PHAN, T	PHAN, THANH S	
P.O. Box 272400 Fort Collins, CO 80527-2400			ART UNIT	PAPER NUMBER	
ron Commis, C			2841		
			DATE MAILED: 03/27/200	3	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary    Examiner			Application No.	Applicant(s)	-5-			
Thanh S Phan  Thanh S Phan  The MAILING DATE of this communication appears on the cover sheet with the correspondence address  Period for Repty  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM  THE MAILING DATE OF THIS COMMUNICATION.  The period of the may be a syndled use or the provisions of 3 CFR 1.13(a). In no event, however, may a righty be timely fleed  after 6XX (b) MONTHS from the maining bate of this communication of the period of the communication of the period of the period of the communication of the period of the period of the communication of the period of the	t.			LARSON ET AL.				
Thanh S Phan  - The MAILING DATE of this communication appears on the cover sheet with the correspondence address - Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY ISSET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  The maining date of this communication is no event, however, may a reply te timely filled    Description of Communication of the provision of 32 CRF 1.138(a). In an ovent, however, may a reply te timely filled   Description of the provision of 32 CRF 1.138(a). In an ovent, however, may a reply te timely filled   Description of the provision of the provision of 32 CRF 1.138(a). In an ovent, however, may a reply te timely filled on the provision of the p		Office Action Summary	Examiner	Art Unit				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MALING DATE OF THIS COMMUNICATION.  I Exercisco of them may be a replaced with the procession of 3 CPR 1.136(a). In no event, however, may a reply be timely filed  Exercisco of them may be a replaced with the procession of 3 CPR 1.136(a). In no event, however, may a reply be timely filed  Exercisco of them may be a replaced with the communication.  It is ported for may peoplete above, the maximum statusory period may be a replaced by the procession. It is no profit or may be a possible of the summariance and the procession of the procession of the procession. It is no profit of the procession of the procession. It is not provided the procession of			Thanh S Phan					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MALING DATE OF THIS COMMUNICATION.  THE MALING DATE OF THIS COMMUNICATION.  Learnation of this may be a mean water the procession of 3 CPR 1.136(a). In no event, however, may a reply be timely filled.  Experience of this may be a mean water that the procession of 3 CPR 1.136(b). In no event, however, may a reply be timely filled.  Learnation of the procession of the communication.  It is portfor from hys popidiad above in the maximum statistical profession in the application to become AleaNDONED (35 U.S. C. § 115).  It is portfor from signature that the procession of the proces		The MAILING DATE of this communication ap	pears on the cover shee	t with the correspondence address				
THE MAILING DATE OF THIS COMMUNICATION.  Endemient of time may be available under the provisions of 37 CPR. 1-15(s). In no event, however, may a reply be timely filled.  Endemient of time may be available under the provisions of 37 CPR. 1-15(s). In no event, however, may a reply be timely filled on the mainting date of this communication. It is placed for reply in spondard above, the maximum statutory period will apply and will apply as 10 Mills pages 93.K (5) McDANADORD (30 U.S. C. \$133).  Failure to reply within the set or c-ferrided period for reply will, by statute, cause the spanishment of the provided by the Child and bove, the maximum statutory period will apply and will apply and will spece 93.K (5) McDANADORD (30 U.S. C. \$133).  Failure to reply within the set of c-ferrided period for reply will, by statute, cause the spanishment of the provided by the Child may reduce any seated patent term subjects to communication. Set of the communication, even if timely filed, may reduce any expensive to communication is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1-14 is/are rejected.  5) Claim(s) 1-14 is/are rejected.  7) Claim(s) is/are objected to .  8) Claim(s) 1-14 is/are rejected.  7) Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  Application Papers  9) The drawing(s) filled on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CPR 1.85(a).  11) The proposed drawing correction filed on is/are: a) approved b) disapproved by the Examiner.  Priority under 35 U.S.C. §\$ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some *C) None of:  1. Certified copies of the priority documents have been	Daried fo	r Paniv						
1)  Responsive to communication(s) filed on	THE   - Exte after   - If the   - If NC   - Failu   - Any earn	MAILING DATE OF THIS COMMUNICATION.  nsions of time may be available under the provisions of 37 CFR 1.  SIX (6) MONTHS from the mailing date of this communication.  period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period or reply within the set or extended period for reply will, by statulize to reply within the set or extended period for reply will, by statulize the mailing and the period for reply will.	136(a). In no event, however, many within the statutory minimum of will apply and will expire SIX (6)	ly a reply be timely filed  f thirty (30) days will be considered timely.  MONTHS from the mailing date of this communication.				
2a)  This action is FINAL. 2b)  This action is non-final.  3   Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4   Claim(s) 1-14 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5)   Claim(s) is/are allowed.  6)   Claim(s) is/are allowed.  6)   Claim(s) is/are objected to.  8)   Claim(s) are subject to restriction and/or election requirement.  Application Papers  9)   The specification is objected to by the Examiner.  10)   The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Application any not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11)   The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12)   The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13)   Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  3    Orified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detailed Office action for a list of the certified copies not received.  14)    Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1    Notice of Informal Palent Application (PTO-152)		Responsive to communication(s) filed on	·					
3   Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) ○ Claim(s) 1-14 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) ○ Claim(s) is/are allowed.  7) □ Claim(s) is/are objected to.  8) □ Claim(s) is/are objected to.  8) □ Claim(s) is/are objected to by the Examiner.  10) □ The specification is objected to by the Examiner.  10) □ The drawing(s) filled on is/are: a) □ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) □ The proposed drawing correction filed on is: a) □ approved b) □ disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) □ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ All b) □ Some * c) □ None of:  1. □ Certified copies of the priority documents have been received.  2. □ Certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) a) □ The translation of the foreign language provisional application has been received.  15) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1 ○ Notice of References Clied (PTO-892)  1 ○ Notice of References Clied (PTO-892)  1 ○ Notice of References Clied (PTO-892)		This action is FINAL 2b) T	his action is non-final.					
closed in accordance with the practice under Ex parte Gabyle, 1950 515 14 (Claims)  4) Claim(s) 1-14 is/are pending in the application.  4a) Of the above claim(s)	·	This action is the territory	wance except for formal	matters, prosecution as to the merits is				
4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) ☒ Claim(s) is/are rejected.  7) □ Claim(s) is/are rejected.  7) □ Claim(s) is/are objected to.  8) □ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) □ The specification is objected to by the Examiner.  10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) □ The proposed drawing correction filed on is: a) □ approved b) □ disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) □ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ All b) □ Some * c) □ None of:  1. □ Certified copies of the priority documents have been received.  2. □ Certified copies of the priority documents have been received in Application No  3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 119(e) (to a provisional application)  a) □ The translation of the foreign language provisional application has been received.  15) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1 ○ Notice of References Cited (PTO-892)  1 ○ Notice of Informal Patent Application (PTO-152)	Disposi	closed in accordance with the practice unde	Ex parte Quaylo, 100	5 C.D. 11, 453 O.G. 213.				
4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) ☒ Claim(s) is/are rejected.  7) □ Claim(s) is/are rejected.  7) □ Claim(s) is/are objected to.  8) □ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) □ The specification is objected to by the Examiner.  10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) □ The proposed drawing correction filed on is: a) □ approved b) □ disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) □ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ All b) □ Some * c) □ None of:  1. □ Certified copies of the priority documents have been received.  2. □ Certified copies of the priority documents have been received in Application No  3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 119(e) (to a provisional application)  a) □ The translation of the foreign language provisional application has been received.  15) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1 ○ Notice of References Cited (PTO-992)  1 ○ Notice of Informal Patent Application (PTO-152)	4)⊠	Claim(s) <u>1-14</u> is/are pending in the application	on.					
5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action. 12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1 Notice of References Cited (PTO-892) 4 Interview Summary (PTO-413) Paper No(s) 5 Notice of Informal Patent Application (PTO-152)		4a) Of the above claim(s) is/are withdr	awn from consideration	i.				
6) ☐ Claim(s) 1-14 is/are rejected.  7) ☐ Claim(s) is/are objected to.  8) ☐ Claim(s) is/are objected to.  8) ☐ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) ☐ The specification is objected to by the Examiner.  10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) ☐ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some * c) ☐ None of:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)  a) ☐ The translation of the foreign language provisional application has been received.  15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  10 ☐ Notice of References Cited (PTO-892)  11 ☐ Notice of Informal Patent Application (PTO-152)	5)[							
7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All   b) Some * c) None of:  1 Certified copies of the priority documents have been received.  2 Certified copies of the priority documents have been received in Application No  3 Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  3) Notice of Informal Patent Application (PTO-152)								
8) Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  5) Notice of Informal Patent Application (PTO-152)	7)							
Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  1) Notice of Informal Patent Application (PTO-152)	81	Claim(s) are subject to restriction and	d/or election requiremer	t.				
9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  1) Notice of Informal Patent Application (PTO-152)								
10)  The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11)  The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1 Notice of References Cited (PTO-892)  1 Notice of References Cited (PTO-892)  1 Notice of Informal Patent Application (PTO-152)	مرا	The specification is objected to by the Exami	ner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFK 1.05(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  1) Notice of References Cited (PTO-892)  1) Notice of Informal Patent Application (PTO-152)	10)	The drawing(s) filed on is/are: a) ☐ ac	cepted or b) objected t	by the Examiner.				
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  1) Notice of References Cited (PTO-892)  1) Notice of Informal Patent Application (PTO-152)	1		the drawing(s) be held in	abeyance. See 37 CFN 1.05(a).				
If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  1) Notice of References Cited (PTO-892)  1) Notice of Informal Patent Application (PTO-152)	11)	The proposed drawing correction filed on	is: a)  approved b	) disapproved by the Examiner.				
Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  4) Interview Summary (PTO-413) Paper No(s).  1) Notice of References Cited (PTO-892)  5) Notice of Informal Patent Application (PTO-152)		If approved, corrected drawings are required in	reply to this Office action					
Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some colonge of the priority documents have been received.  1. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  1) Notice of References Cited (PTO-892)  1) Notice of Informal Patent Application (PTO-152)	12)[	ceil The oath or declaration is objected to by the	Examiner.					
13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some * c) ☐ None of:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)  a) ☐ The translation of the foreign language provisional application has been received.  15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) ☐ Notice of References Cited (PTO-892)  5) ☐ Notice of Informal Patent Application (PTO-152)	Briorit	v under 35 U.S.C. §§ 119 and 120						
a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  1) Notice of References Cited (PTO-892)  1) Notice of Informal Patent Application (PTO-152)	13)[	Acknowledgment is made of a claim for fore	eign priority under 35 U	S.C. § 119(a)-(d) or (f).				
1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)  a) ☐ The translation of the foreign language provisional application has been received.  15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  4) ☐ Interview Summary (PTO-413) Paper No(s)  Notice of References Cited (PTO-892)  5) ☐ Notice of Informal Patent Application (PTO-152)								
2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)  a) ☐ The translation of the foreign language provisional application has been received.  15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) ☑ Notice of References Cited (PTO-892)  3) ☐ Interview Summary (PTO-413) Paper No(s)  5) ☐ Notice of Informal Patent Application (PTO-152)		1 Certified copies of the priority docum	ents have been receive	d.				
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  3. Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413) Paper No(s).  5) Notice of Informal Patent Application (PTO-152)		a Contified copies of the priority docum	ients have been receive	ed in Application No				
14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)  a) ☐ The translation of the foreign language provisional application has been received.  15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) ☑ Notice of References Cited (PTO-892)  1) ☑ Notice of References Cited (PTO-892)  2) ☐ Notice of Informal Patent Application (PTO-152)		3. Copies of the certified copies of the papelication from the Internationa	priority documents have I Bureau (PCT Rule 17. Jist of the certified copi	e been received in this National Stage 2(a)). es not received.				
a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  1) Notice of References Cited (PTO-892)  2) Notice of Informal Patent Application (PTO-152)		* See the attached detailed Office action for dom	nestic priority under 35	J.S.C. § 119(e) (to a provisional applicati	ion)			
15) ☐ Acknowledgment is made of a claim for domestic priority under 35 0.3.6. §§ 126 and 5.4.  Attachment(s)  1) ☑ Notice of References Cited (PTO-892)  1) ☑ Notice of References Cited (PTO-892)  2) ☐ Notice of Informal Patent Application (PTO-152)	l l	- the feeding longuage	nrovisional application	has been received.				
1) Notice of References Cited (PTO-892)  1) Notice of References Cited (PTO-892)  5) Notice of Informal Patent Application (PTO-152)	15)[	<ul> <li>a)  The translation of the foreign language</li> <li>Acknowledgment is made of a claim for don</li> </ul>	nestic priority under 35	U.S.C. §§ 120 and/or 121.				
1) Notice of References Cited (PTO-892)  Notice of Informal Patent Application (PTO-152)  Notice of Informal Patent Application (PTO-152)	1		ا ا ا	nterview Summary (PTO-413) Paper No(s)				
		Nation of Droftenerson's Patent Drawing Review (PTO-940	3) 5) D	otice of Informal Patent Application (PTO-152)				

Art Unit: 2841

## **DETAILED ACTION**

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-4, 6-7 and 9-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gallagher et al. [6157534] in view of Jindrick et al. [4964017].

Regarding claims 1-2, Gallagher et al. disclose a power system [10] comprising a plurality of printed circuit assembly [28]; a server management card [22]; a first display panel [32] mounted on the server system and couples to the server management card, and a user interface [34].

Gallagher disclose the instant claimed invention except for the display panel being a LCD type display.

Jindrick et al. disclose a housing for electronic modules [figure 1] including an LCD display [56b].

It would have been obvious to a person having ordinary skill in the art at the time invention was made to use an LCD type display for the display of Gallagher, as suggested by Jindrick et al., for the purpose of reducing power consumption.

Regarding claim 3, Gallagher et al. disclose the instant claimed invention except for user interface being navigation keys.

Art Unit: 2841

Gallagher discloses the use of a track ball [figure 3a] providing navigation functions.

It would have been obvious to a person having ordinary skill in the art at the time invention was made to use keys for the user input in order to simplify access to the desired functions.

Regarding claim 4, Gallagher et al. disclose a key board [34] being mounted in conjunction with the display.

Regarding claims 6 and 7, Gallagher et al. in view of Jindrick et al. disclose the instant claimed invention except for a lock out key being provided and lockout status indication being provided.

It would have been obvious to a person having ordinary skill in the art at the time invention was made to include a lockout key and status indication on the server of Gallagher et al. in view of Jindrick et al. for the purpose of preventing unauthorized users from accessing the server.

Regarding claims 9-14, the claimed method steps would have been necessitated by the product structure.

Claims 5 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gallagher et al. in view of Jindrick et al. as applied to claim 4 above, and further in view of the prior art shown in figure 1 of Potter et al. [5809262].

Gallagher et al. in view of Jindrick et al. disclose the instant claimed invention except for a redundant display being provided on the server.

Art Unit: 2841

The prior art shown in figure 1 of Potter et al. disclose a primary and a redundant display being provided [28, 48] in a server.

It would have been obvious to a person having ordinary skill in the art at the time invention was made to use a redundant display in the server Gallagher et al. in view of Jindrick et al. as suggested by the prior art shown in figure 1 of Potter et al., for the purpose of facilitating cable connection and interaction to the server.

## Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Liu [6185110]; Roy [5398161]; Mallory et al. [4964018].

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh S Phan whose telephone number is 703-305-0069. The examiner can normally be reached on M-F 9:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David S Martin can be reached on 703-308-3121. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9318 for regular communications and 703-872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

TSP March 23, 2003

DAVID MARTIN SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2800

Art Unit: 2841